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## RAW SEQUENCE LISTING

DATE: 07/05/2001

PATENT APPLICATION: US/09/602,212A

TIME: 10:13:27

Input Set : A:\398-lus1.app

Output Set: N:\CRF3\07052001\I602212A.raw

3 <110> APPLICANT: Buchholz, Ursula  
 4 Collins, Peter L.  
 5 Murphy, Brian R.  
 6 Whitehead, Stephen S.  
 7 Kreml, Christine D.  
 9 <120> TITLE OF INVENTION: PRODUCTION OF ATTENUATED, HUMAN-BOVINE CHIMERIC  
 10 RESPIRATORY SYNCYTIAL VIRUS VACCINES  
 12 <130> FILE REFERENCE: 15280-398-1US  
 14 <140> CURRENT APPLICATION NUMBER: 09/602,212A  
 15 <141> CURRENT FILING DATE: 2000-06-23  
 17 <150> PRIOR APPLICATION NUMBER: 60/143,132  
 18 <151> PRIOR FILING DATE: 1999-07-09  
 20 <160> NUMBER OF SEQ ID NOS: 23  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 80  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Bovine respiratory syncytial virus  
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 31 caagtatgtc caaccatacc 80  
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 35 <211> LENGTH: 80  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Artificial Sequence  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 41 bovine RSV  
 43 <400> SEQUENCE: 2  
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 45 caagtatgtc caaccatacc 80  
 48 <210> SEQ ID NO: 3  
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 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 55 human and bovine RSV  
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 59 caaaaacaag 70  
 62 <210> SEQ ID NO: 4  
 63 <211> LENGTH: 87  
 64 <212> TYPE: DNA  
 65 <213> ORGANISM: Human respiratory syncytial virus  
 67 <400> SEQUENCE: 4  
 68 agttaattaa aaatagtcac aacaatgaac taggatataca agactaacia taacattggg 60

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69 gcaaagtcaa acatgtccaa aaacaag 87
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 62
74 <212> TYPE: DNA
75 <213> ORGANISM: Bovine respiratory syncytial virus
77 <400> SEQUENCE: 5
78 agttatttaa aaagatatgt ataattcact aattaaaact ggggcaaata aggatggcga 60
79 ca 62
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 62
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
89 bovine RSV
91 <400> SEQUENCE: 6
92 agttatttaa aaagatatgc atgcttcact aattaaaact ggggcaaata aggatggcga 60
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96 <210> SEQ ID NO: 7
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98 <212> TYPE: DNA
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101 <220> FEATURE:
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113 <213> ORGANISM: Human respiratory syncytial virus
115 <400> SEQUENCE: 8
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117 actctggggc aaataacaat ggagttg 87
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122 <212> TYPE: DNA
123 <213> ORGANISM: Bovine respiratory syncytial virus
125 <400> SEQUENCE: 9
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132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
137 bovine RSV

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139 <400> SEQUENCE: 10
140 ccatgttgat agttatataa aaatattata ttagtctcga ggaataaaat cgattaacaa 60
141 ccaatcattc aaaaagatgg ggcaaat 87
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149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
151 human and bovine RSV
153 <400> SEQUENCE: 11
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155 aagatggggc aaat 74
158 <210> SEQ ID NO: 12
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161 <213> ORGANISM: Human respiratory syncytial virus
163 <400> SEQUENCE: 12
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165 tgaaaactgg ggcaaat 77
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173 <220> FEATURE:
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184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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199 <220> FEATURE:
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208 <211> LENGTH: 29

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209 <212> TYPE: DNA  
210 <213> ORGANISM: Artificial Sequence  
212 <220> FEATURE:  
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
214       respiratory syncytial virus  
216 <400> SEQUENCE: 16  
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220 <210> SEQ ID NO: 17  
221 <211> LENGTH: 24  
222 <212> TYPE: DNA  
223 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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229 <400> SEQUENCE: 17  
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235 <212> TYPE: DNA  
236 <213> ORGANISM: Artificial Sequence  
238 <220> FEATURE:  
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242 <400> SEQUENCE: 18  
243 ttatgtcgac tggggcaaat gcaaactg 29  
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247 <211> LENGTH: 28  
248 <212> TYPE: DNA  
249 <213> ORGANISM: Artificial Sequence  
251 <220> FEATURE:  
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
253       respiratory syncytial virus  
255 <400> SEQUENCE: 19  
256 ggggcaaata acaatggagt tgccaatc 28  
259 <210> SEQ ID NO: 20  
260 <211> LENGTH: 29  
261 <212> TYPE: DNA  
262 <213> ORGANISM: Artificial Sequence  
264 <220> FEATURE:  
265 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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268 <400> SEQUENCE: 20  
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273 <211> LENGTH: 42  
274 <212> TYPE: DNA  
275 <213> ORGANISM: Artificial Sequence  
277 <220> FEATURE:  
278 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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279      respiratory syncytial virus
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282 aggaattcgc atgcggggca aataacaatg gagttgccaa tc          42
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286 <211> LENGTH: 43
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
292      respiratory syncytial virus
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295 aggaattctc gagtttttat ataactataa actaggaatc tac          43
298 <210> SEQ ID NO: 23
299 <211> LENGTH: 64
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
305      respiratory syncytial virus
307 <400> SEQUENCE: 23
308 ttaaacttaa aaatggttta tgtcgaggaa taaaatcgat taacaaccaa tcattcaaaa 60
309 agat                                     64

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**VERIFICATION SUMMARY**

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